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4 ABSTRACT OF THE DISCLOSURE  
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6 Waxes prepared from hydrogenated plant oils, such as palm and soybean, are used to  
7 render cellulosic materials resistant to water. Unlike cellulosic materials rendered water  
8 resistant with waxes obtained using petroleum-derived or synthetic waxes, the water  
9 resistant cellulosic materials prepared using this composition are recyclable using  
10 conventional paper recycling methods; the composition is dispersible in warm water  
11 solutions. Such water resistant materials are characterized by enhanced moisture barrier  
12 properties. The compositions have a low iodine value (between 2-5), and melting points  
13 between approximately 120-165 degrees F (Mettler Drop Point). The wax comprises a  
14 triglyceride whose fatty acids are predominantly stearic acid (C<sub>18</sub>).. The composition is  
15 used as an additive in the manufacture of wax coated boxes and adhesive compounds  
16 used in boxboard packaging and manufacturing operations.